

II. AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Currently Amended) A transmission system comprising at least one primary station (2) being coupled via a transmission medium (14) to at least one secondary station (4), the secondary station (4) comprising data transmission request means (36,42,44) for transmitting a data transmission request (70) to the primary station (2) when transmission data are available in the secondary station (4), ~~characterised in that~~ wherein the primary station (2) comprises transmission means (20,22,26) for transmitting, upon receipt of the data transmission request (70), a data transmission refusal (72) followed by a data transmission grant (74) to the secondary station (4), the primary station (2) comprising monitoring means (22,28) for monitoring the transmission of data (76) by the secondary station (2) in response to the data transmission grant (74).

2. (Currently Amended) The transmission system according to claim 1, ~~characterised in that~~ wherein the transmission system comprises a CATV system, wherein the primary station (2) comprises a cable modem termination system and wherein the secondary station (4) comprises a cable modem.

3. (Currently Amended) The transmission system according to claim 2, ~~characterised in that~~ wherein the CATV system and the cable modem termination system and the cable modem are DVB-compliant.

4. (Currently Amended) The transmission system according to claim 3, ~~characterised in that~~ wherein the data transmission refusal (72) comprises a reservation grant message with a remaining_slot_count and a grant_slot_count, wherein the remaining_slot_count is equal to zero and wherein the grant_slot_count is equal to zero.

5. (Currently Amended) The transmission system according to claim 4, ~~characterised in that~~ wherein the data transmission grant (74) comprises a further reservation grant message with a further remaining_slot_count and a further grant_slot_count, wherein the further remaining_slot_count is equal to zero and wherein the further grant_slot_count is equal to or larger than one.

6. (Currently Amended) The transmission system according to claim 2, ~~characterised in that~~ wherein the CATV system and the cable modem termination system and the cable modem are IEEE 802.14- compliant.

7. (Currently Amended) The transmission system according to claim 1, ~~characterised in that~~ wherein the transmission system comprises a satellite communication system, wherein the primary station comprises a ground station and wherein the secondary station comprises a satellite receiver.

8. (Currently Amended) The transmission system according to claim 7, ~~characterised in that~~ wherein the satellite communication system is DVB-compliant.

9. (Currently Amended) A primary station (2) comprising receiving means (22,24,28) for receiving a data transmission request (70) from a secondary station (4), ~~characterised in that~~ wherein the primary station (2) comprises transmission means (20,22,26) for transmitting, upon receipt of the data transmission request (70), a data transmission refusal (72) followed by a data transmission grant (74) to the secondary station (4), the primary station (2) comprising monitoring means (22,28) for monitoring the transmission of data (76) by the secondary station (4) in response to the data transmission grant (74).

10. (Currently Amended) The primary station (2) according to claim 9, ~~characterised in that~~ wherein the primary station (2) comprises a cable modem termination system.

11. (Currently Amended) The primary station (2) according to claim 10, ~~characterised in that~~ wherein the cable modem termination system is DVB-compliant.

12. (Currently Amended) The primary station (2) according to claim 11, ~~characterised in that~~ wherein the data transmission refusal (72) comprises a reservation grant message with a remaining_slot_count and a grant_slot_count, wherein the remaining_slot_count is equal to zero and wherein the grant_slot_count is equal to zero.

13. (Currently Amended) The primary station (2) according to claim 12, ~~characterised in that~~ wherein the data transmission grant (74) comprises a further reservation grant message with a further remaining_slot_count and a further grant_slot_count, wherein the further remaining_slot_count is equal to zero and wherein the further grant_slot_count is equal to or larger than one.

14. (Currently Amended) A method of determining whether a secondary station (4) can process unsolicited data transmission grants (74), the method comprising receiving a data transmission request (70) from the secondary station (4) when transmission data are available in the secondary station (4), ~~characterised in that~~ wherein the method further comprises:

transmitting, upon receipt of the data transmission request (70), a data transmission refusal (72) followed by a an unsolicited data transmission grant (74) to the secondary station (4), monitoring the transmission of data (76) by the secondary station (4) in response to the unsolicited data transmission grant (74).

15. (Currently Amended) The method according to claim 14, ~~characterised in that~~ wherein the secondary station (4) comprises a cable modem.

16. (Currently Amended) The method according to claim 15, ~~characterised in that~~ wherein the cable modem is DVB-compliant.

17. (Currently Amended) The method according to claim 16, ~~characterised in that~~ wherein the data transmission refusal ~~(72)~~ comprises a reservation grant message with a remaining_slot_count and a grant_slot_count, wherein the remaining_slot_count is equal to zero and wherein the grant_slot_count is equal to zero.

18. (Currently Amended) The method according to claim 17, ~~characterised in that~~ wherein the unsolicited data transmission grant ~~(74)~~ comprises a further reservation grant message with a further remaining_slot_count and a further grant_slot_count, wherein the further remaining_slot_count is equal to zero and wherein the further grant_slot_count is equal to or larger than one.